VERĪTAS

Changes Affecting Support for NetBackup™ for EMC

The NetBackup for EMC option begins formal product retirement beginning with the NetBackup 4.5 release. Customers who have purchased the NetBackup for EMC option will continue to be supported until the next major release of NetBackup. Additionally, all NetBackup for EMC customers under software maintenance will automatically receive media and license keys to allow for the transition from NetBackup for EMC (split mirror class type) to a new and more feature-rich alternative called ServerFree Agent with the Array Integration Option.

All supported configurations of the NetBackup for EMC option continue to be supported with NetBackup 4.5. The split mirror class type, used to configure EMC TimeFinder backups, is not included with NetBackup 4.5.

There are two upgrade options for NetBackup for EMC customers. Both options may be used to best meet your upgrade requirements. The two options are:

1. NetBackup 3.2 and 3.4 clients (Solaris and HP-UX) and the NetBackup for EMC option with NetBackup 4.5 server (Solaris or HP-UX). Additional client reconfiguration is required to configure supported clients for use with NetBackup 4.5 servers.

2. Full upgrade to NetBackup 4.5 clients and servers (Solaris and HP-UX) with the Array Integration Option of ServerFree Agent. ServerFree Agent supports backup of both raw partitions and file systems (VxFS and UFS). It also supports heterogeneous media server-client environments (HP-UX and Solaris).

   There are two ServerFree Agent options needed to perform EMC TimeFinder split mirror backups:

   • Array Integration Option (also known as Extended Frozen Image Services)

     This option includes the **TimeFinder frozen image method**, which is for making frozen images on EMC Symmetrix disk arrays. This allows you to perform split-mirror local host backup. The TimeFinder frozen image method is described in the *NetBackup ServerFree Agent System Administrator's Guide.*

   • Offhost and SAN Data Movement Services

     This option is required for performing split-mirror offhost backup.

   NOTE: NetBackup 3.4 for EMC uses a script-based backup method for Oracle backups. A new feature is available for purchase in NetBackup 4.5, called Oracle ServerFree Agent. This feature works with ServerFree Agent to integrate offhost backup methods into Oracle and is based on Oracle Proxy Copy in Oracle 8i and above.

NetBackup for EMC Not Supported on Solaris 9 or HP-UX 11i.

The NetBackup for EMC option will not be supported on hosts running Solaris 9 or HP-UX 11i.

32-000107-011

Corrections to NetBackup 3.4 for EMC System Administrator's Guide

The following information supplements the 3.4 version of the *NetBackup for EMC System Administrator's Guide*:

- (Regarding pages 18 and 19) Split-Mirror file system backups are not supported; only raw partition backups are supported.

- If status code 77 ("execution of the specified system command returned a nonzero status") occurs during a backup, note the following.

  The following appears in the `bpbkar` log:

  ```
  10:54:55 [21361] <16> bpbkar main: FTL - execute_split_cmd() failed, status 77
  ```

  To solve this problem, ensure that the NetBackup file list has the raw device paths listed under the `DEVICE_GROUP`.

  For example:

  ```
  PRIMARY_HOST=buffalo

  METHOD=ALTER_TABLESPACE

  ORACLE_DBA=oracle

  ORACLE_SID=BILL

  ORACLE_BASE=/orahome/app/oracle

  ORACLE_HOME=/orahome/app/oracle/product/7.3.4

  MIRROR_CONTROL_POLICY=ACTIVE_OWNER

  ESTABLISH_MIRROR_AT_START

  ESTABLISH_MIRROR_AT_END

  DEVICE_GROUP=Testgrp
  ```
  /dev/*raw_device_path1*

  /dev/*raw_device_path2*